AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-329

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see:
http://www.amsat.org/mailman/listinfo/ans

In this edition:

* Fox-1Cliff Launch Scheduled for 28-Nov-2018 at 18:32 UTC
* Robert Bankston, KE4AL, Elected AMSAT Vice-President of User Services
* Fox-1Cliff Launch - Your Help is Needed!
* ESA Announces "First Telemetry" Contest for ESEO
* Happy 5th Birthday FUNcube-1
* FCC Dismisses AMSAT's 2004 Petition for Reconsideration
* Upcoming ARISS Contact Schedule
* Satellite Shorts From All Over

SB SAT @ AMSAT $ANS-329.01
ANS-329 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 329.01
From AMSAT HQ KENSINGTON, MD.
DATE November 25, 2018
To All RADIO AMATEURS
BID: $ANS-329.01

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The launch window opens at 18:31:47 UTC and will extend for approximately 30 minutes each day.

[ANS thanks SpaceX and AMSAT for the above information]

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Station Params are filled in as well. You can help AMSAT and everyone waiting to get on the air with Fox-1Cliff tremendously, by capturing Fox-1Cliff telemetry.

In the initial Safe Mode after startup, which we actually call Beacon Mode, the transmitter is limited to 10 seconds on time then does the two minutes off cycle. For those of you capturing telemetry, that means that you will only see Current frames and no High or Low frames because the High and Low are truncated as it takes just over 10 seconds to send two frames. You will hear Veronica announcing "Fox-1Cliff Safe Mode" while in Beacon Mode.

We will likely leave the satellite in Beacon Mode for 24 hours to observe power telemetry. If we are seeing good readings from what you gather, when it comes over the U.S. for the first good pass after that holding period we will command it from Beacon Mode to normal Safe Mode. That puts Fox-1Cliff in full (still Safe Mode though) operation and transmits a full two frames of telemetry which is one Current frame followed by, and alternating each ID cycle, a High or a Low frame.

We will begin the rest of the in orbit checklist activities at that time, and it is expected to take 7 to 10 days given the Thanksgiving holiday.

Help your friends and all of our satellite ham friends get on the air and have fun sooner by being polite and patient!

The in orbit checkout procedure is similar to Fox-1D and could be completed in as little as 7 days if we have the cooperation of the users. It is very important, not to mention just plain good Amateur Operating Practice, to refrain from using the transponder uplink so we can do the on orbit tests, including when we turn on transponder mode for testing. I cannot stress enough, the importance of this cooperation not just for us but also for all users, simply having a little patience so we can conduct the tests as quickly and accurately as possible.

AMSAT will make it broadly known when the tests are complete and the transponder is available for all to use. If you hear someone on the transponder, please do not assume that it is open for general use – check our website, Facebook, Twitter, to be sure you are not accidentally jumping in with and unwittingly causing interference as well.

Many hams put thousands of volunteer hours of their time into making Fox-1Cliff happen. Just like any ham radio project you might undertake, we build satellites. We do it because we like to, and when we are done, we freely share our project with hams everywhere as is the spirit of amateur radio. I have to say though, that the incidents we have experienced in the past with stations intentionally disregarding the command stations requests to keep the frequency clear during testing not only delays the commissioning, but also negatively impacts the enthusiasm that our volunteers feel toward handing over a new bird to the members and users as soon as possible.

I am asking all satellite hams to contribute just a little bit of your time to the fun now, by being patient and just gathering telemetry, not using the transponder uplink, and helping us complete the last few days of getting Fox-1Cliff in orbit and operating for all of you.

Thank you very much, see you on the bird!

Jerry Buxton, N0JY
(AMSAT VP Engineering)

*Time of deployment will be made generally available through AMSAT as soon as Spaceflight provides the information to us.

[ANS thanks Jerry Buxton, N0JY, AMSAT Vice President-Engineering for the above information]

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+ Reception time of the beacon
+ Details of any telemetry decoded
+ Your Location
+ A few lines about your equipment

Access the full press release at:
https://tinyurl.com/ANS-329-ESEO4

[ANS thanks the European Space Agency for the above information]

Happy 5th Birthday FUNcube-1

Five years ago, on November 21, 2013, FUNcube-1 launched into space. Soon, we hope to welcome ESEO (FUNcube-4) and JY1SAT (FUNcube-6) into space. A remarkable achievement by the radio amateur volunteers of AMSAT-UK and AMSAT-NL.

See https://amsat-uk.org/2018/11/21/happy-5th-birthday-funcube-1/ for more information.

[ANS thanks AMSAT-UK for the above information]

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hobbyists, experimenters, and researchers to access a variety of orbits."

The full text of the FCC's Notice of Proposed Rulemaking and Order on Reconsideration can be found at https://docs.fcc.gov/public/attachments/FCC-18-159A1.pdf

[ANS thanks AMSAT for the above information]

Upcoming ARISS Contact Schedule

IMP Aerospace & Defence, Goffs, NS, Canada, telebridge via IK1SLD

The ISS callsign is presently scheduled to be OR4ISS
The scheduled astronaut is Serena Aunon-Chancellor KG5TMT
Contact was successful: Sat 2018-11-24 19:05:09 UTC 50 deg (***)

Ecole Primaire Jean Jaurès et Arnaud, Troyes, France, telebridge via IK1SLD

The ISS callsign is presently scheduled to be OR4ISS
The scheduled astronaut is Serena Aunon-Chancellor KG5TMT
Contact is go for: Tue 2018-11-27 16:28:57 UTC 34 deg

If you are interested in applying for an ARISS contact, please go to http://www.ariss.org/apply-to-host-an-ariss-contact.html

[ANS thanks ARISS for the above information]

Satellite Shorts From All Over

+ Randy, K7AGE has released a video of the November 2018 AMSAT Symposium in Huntsville Al. The video highlights are at : https://youtu.be/bS3Y12dyyD0 (K7AGE on Twitter)

+ James WX4TV wrote, "Watch the DX Clusters for N4P." This will be for the Dry Tortugas National Park DXpedition that we are doing from December 14-17. They will be on 80m, 40m, 20m, 17m, and the FM satellites. (WX4TV via Facebook)

+ John, N7AME, will be in Hawaii December 3 - 14 and will on two islands, Oahu and Maui. He hopes to rove BL01, BL10 and BL11. The Hawaiian Islands appear to have ten (10) different grids and he hopes he could work all of them. Contacts are planned to be worked on AO91 and AO92. (John N7AME johnv at frontier.com)

+ The C. A. Muller Radio Astronomy Station (PI9CAM) has posted an article about photographing the far side of the moon with the LO-94 amateur radio satellite. https://tinyurl.com/ANS-329-PI9CAM (PI9CAM)

[ANS thanks everyone for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73 and remember to do your part to help Keep Amateur Radio In Space,

This week's ANS Editor,

Paul Stoetzer, N8HM
N8HM at amsat.org